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Application Number	09/802,217 902,017				
Filing Date	March 8, 2001				
First Named Inventor	Saulsbury, Ashley				
Group Art Unit	2183				
Examiner Name	Unassigned				
Attorney Docket Number	016747-009910US				

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Examiner Initials *		Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	JAN
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Examiner Initials*	Cite No. ¹	Office ³	Number ⁴	Kind Code ⁵ (<i>if known</i>)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T ⁶
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the T ² Cite Examiner item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue No.1 Initials * number(s), publisher, city and/or country where published. AIMOTO, YOSHIHARU et al.; "A.768GIPS 3.84GB/s 1 W Parallel Image-Processing RAM Integrating a 16 Mb ΑI DRAM and 128 Processors"; ISSCC96/Session 23 / DRAM / Paper SP23.3; 1996 IEEE International Solid-State Circuits Conference; pp. 372-373 and 476 BURSKY, DAVE; "Combo RISC CPU and DRAM Solves Data Bandwidth Issues"; Electronic Design; March 4, 1996; pp. 67-71. SAULSBURY, ASHLEY, et al., "Missing the Memory Wall: The Case for Processor/Memory Integration"; ACM; 1996; AK pp. 90-101 SHIMIZU, TORO, et al.; "A Multimedia 32b RISC Microprocessor with 16 Mb DRAM"; ISSCC96/Session 13 / AL Microprocessors/Paper FP 13.4; 1996 IEEE International Solid State Circuits Conference, pp. 216-217 and 448 MITSUBISHI ELECTRIC CORP; Product Specification for Single-Chip 32-Bit CMOS Microcomputer; @ May 1998

Examiner Signature	GARY J PORTKA	Date Considered	8/28/03

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Attorney Docket Number	016747-009910US		

			U.S. PATENT DOCUM	MENTS	
Examiner		U.S. Patent Document Kind Code ²	Name of Detector or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant
Initials *		Number (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
GSP	A	4,980,819	Cushing et al.	12/25/1990	
GIP	В	5,530,817	Masubuchi	06/25/1996	RECEIVED
GJP	С	5,301,340	Cook	04/05/1994	FEB 2 8 2002
					Technology Center 2100

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	For	eign Patent Doc		Name of Patentee	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Initials*	No.¹	Office ³	Number ⁴	Kind Code ⁵ (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T⁵
SUP	D	PCT	WO 00/33178	3	Sun Microsystems, Inc.	06/08/2000		

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FO	RM PTO-144	9 (Modified)	\mathscr{F}	Attorney Docket No.: 016747-009910US Application No.: 09/802,017				
		NTS AND PUBL		Applicant: Ashley Saulsbury, et al.				
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Ex	aminer Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)	
6	JP AA	4,725,945	02/16/88	Kronstadt et al.	364	200		
	↑ AB	4,894,770	01/16/90	Ward et al.	364	200	<u>or</u>	
	AC	5,184,320	02/02/93	Dye	365	49	130 ∃ ध	
	AD	5,261,066	11/09/93	Jouppi et al.	395	425		
	AE	5,317,718	05/31/94	Jouppi	395	125		
	AF	5,386,547	01/31/95	Jouppi	395	425	EIVED	
	AG	5,564,035	10/08/96	Lai	395	471	.c. 10 Q:	
	AH	5,588,130	12/24/96	Fujishima et al.	395	445		
	AI	5,623,627	04/22/97	Witt	395	449		
	AJ	5,649,154	07/15/97	Kumar et al.	395	449		
	AK	5,650,955	07/22/97	Puar et al.	365	51		
	AL	5,687,338	11/11/97	Boggs et al.	395	381		
	AM	5,703,806	12/30/97	Puar et al.	365	181		
	AN	5,900,011	05/04/99	Saulsbury et al.	711	119		
G	JP AO	6,128,702	10/03/00	Saulsbury et al.	711	133		
			FOR	EIGN PATENT DOCUME	CNTS			
		Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)	
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